

QGIS Cross-Section Plugin

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Introduction

QGIS is a leading Open Source Geographic Information System (**mapping and visualization**) tool that is supported by a strong, well-organized developer community that adds to the core system and contributes a wide variety of task-specific plugins. Utilizing the plugin architecture Newmont would like to develop a tool to generate cross-sections showing exploration drill results. The plugin will be **cross platform**, written in **Python**, and use portions of the existing Newmont code base for the harder parts (i.e. coordinate transformations).

Objectives

- Learn about QGIS and plugin development.
- Develop the cross-section plugin with basic plotting capabilities including visualization of drillholes with downhole geochemistry and geologic attributes.
- Successfully submit the plugin to the QGIS plugin repository.

Team Size and Work Environment

The ideal team is 2-3 people. The work can be done from anywhere, but anticipate a number of face-to-face meetings and active participation from one or more Newmont developers.

